

Title (en)
PROCESS FOR PREPARING BETAINES

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Application
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Priority
DE 2926479 A 19790630

Abstract (en)
[origin: ES8101040A1] A method for the preparation of betaines is disclosed, the betaines having the general formula $R_1CONH(CH_2)_xN(+)R_2R_3(CH_2)_yCOO(-)$ in which R_1 is the alkyl residue of a fatty acid with 6 to 18 carbon atoms, R_2 and R_3 are the same or different and represent alkyl residues with 1 to 4 carbon atoms, $x=2$ or 3 , and $y=1, 2$ or 3 . The betaines are prepared by quaternizing fatty acid amides having the formula $R_1CONH(CH_2)_xNR_2R_3$ with omega -halogenalkylcarboxylic acids having the formula $X(CH_2)_yCOOH$ wherein X is a halogen residue, and carrying out the quaternization at a pH of 7.5 to 10.5 measured at 98 DEG C. The reaction product obtained from the process is essentially free of unreacted amides and organically linked chlorine and thus avoids the skin irritations normally associated with compounds in which such betaines are used.

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IPC 8 full level
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Cited by
EP0302329A3; EP0557835A3; FR2547860A1; EP0560114A3; EP0563747A3; EP0353580A3; EP0623587A1; US5962709A; EP0665213A1; EP0109074A1; FR2668783A1; GB2251633A; WO2024149654A1; WO9512571A1; WO9420452A1

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